CLEARVISION® DIGITAL SENSOR SYSTEM

midmark™

Designing better care.

ClearVision is the digital sensor system from Midmark, designed to simplify practice integration and deliver high-quality images in a durable, patient-friendly design. Featuring a direct USB 2.0 connection, advanced CMOS technology optimizes resolution while reducing noise to produce sharp, detailed images for immediate review and diagnosis.
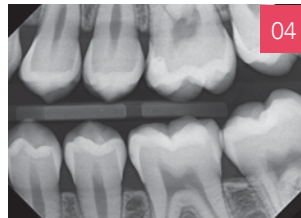
FEATURES

01 Patient Comfort - ClearVision sensor's thin profile, rounded corners, and contoured surfaces are designed to minimize patient discomfort. Available in two sizes to accomodate patient needs and exam requirements.

02 Better Practice Integration - ClearVision integrates with our Preva 2.0 and Preva Plus intraoral X-rays through a direct USB hub.

03 Quality and Dependabiltiy - Our sensor housing and cable are designed for reliability and a water-tight connection to promote asepsis. For added durability, Kevlar® strands are integrated to reinforce the cabling for a thin, flexible cable you can rely on.

04 Image Clarity - Advanced CMOS technology optimizes resolution while reducing noise, producing sharp, detailed images for immediate review and diagnosis.

05 Imaging Software Comes Standard - Progeny® Imaging Software supports image acquisition, diagnosis and image handling. Magnification, contrast or density adjustment, measurement assistance and annotations are just a few of the powerful tools provided. Images can be exported, emailed or printed for insurers, your patients or referrals.

06 Peace of Mind - All ClearVision sensors come with a standard two-year manufacturer's warranty covering failure or malfunction due to normal uses and our exclusive Sensor Safe® extended care and priority replacement plan for five years. Contact Midmark Customer Experience for the Sensor Safe extended-care plan details.

CLEARVISION SPECIFICATIONS

Film Size Equivalent	Size 1 Size 2
Active Area	30 mm x 20 mm (Size 1) 36 mm x 26 mm (Size 2)
Number of Pixels	1,580 lines x 1,050 pixels (Size 1) 1,896 lines x 1,368 pixels (Size 2)
Pixel Size	19 μm x 19 μm
Theoretical Resolution	26 lp/mm
Levels of Gray	4,096
Dynamic Range	71 dB
Signal-to-Noise Ratio	55 dB
Sensor Cable Length	0.9 m or 3 m
Connection Type	USB 2.0, High Speed
Power Supply	+5 V, per USB 2.0 specification
Level of Protection	IP67 (sensor only, per IEC 60529)
Options	ClearVision Laptop Suite Sensor Safe Extended Care Plan
ClearVision Laptop Suite Specifications	Operating System: Microsoft® Windows® 7 Ultimate or Professional Processor: Intel Core Duo/i5/i7 performing at a minimum of 2 GHz Memory: 3 GB DDR/DDR2/DDR3 RAM minimum Graphics Controller: Capable of minimum 1,024 x 768 resolution Monitor: LED Backlit display with a size of at least 13" and no more than 15.8" Ports: At least two High-Speed USB 2.0 available Network Controller: Ethernet at a speed of 10/100 minimum Wireless Network Controller: 802.11 g/n minimum Weight: No more than 10 lb
Progeny Imaging Software System Requirements	Please visit midmark.com or contact Midmark Imaging Technical Support at 800.643.6275
Integrated Imaging Management Systems	ClearVision sensors are fully integrated with many imaging management systems. Software and system requirements are subject to change over time, please work with Midmark Imaging Technical Support at 800.643.6275 to ensure proper integration.

ORDERING GUIDE

CLEARVISION SENSORS

XSDS-01 ClearVision Digital Sensor System, Size 1 sensor

XSDS-02 ClearVision Digital Sensor System, Size 2 sensor

XSDS-0B ClearVision Digital Sensor System, Size 1 and Size 2 sensors

Clearvision Sensors (sizes 1 and 2)

System Includes: ClearVision Digital Sensor with 3 meter (9.84') cable, USB drive with Progeny Imaging Software, sensor calibration file and documentation kit with user manual, sample sheath pack and Rinn XCP-DS FIT positioning guide holder.

CLEARVISION SENSOR ACCESSORIES

500-432 Sensor Sheaths for Size 1 Sensor (500/box)

500-433 Sensor Sheaths for Size 2 Sensor (500/box)

45-M3001 Sensor Holder, Desktop

45-P0002 Sensor Holder, Arm

Rinn XCP-DS FIT positioning guide holder

CLEARVISION LAPTOP SUITE

A seamless method for converting a practice to digital radiography, the ClearVision Laptop Suite includes the ClearVision Digital Sensor system along with a laptop preconfigured for your ClearVision Sensor. The laptop is preloaded with Progeny Imaging Software, Progeny Device Suite including a TWAIN client and the paired ClearVision sensor calibration files.

XSDS-01/L ClearVision Digital Sensor System with Laptop, Size 1 sensor
XSDS-02/L ClearVision Digital Sensor System with Laptop, Size 2 sensor
XSDS-0B/L ClearVision Digital Sensor System with Laptop, Size 1 and Size 2 sensors

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